

[CLAIMS]

1. An ink jet recording element comprising a support and an ink receiving layer wherein said ink receiving layer comprises (a) a pigment, (b) a silanol modified polyvinyl alcohol, and (c) a film-forming polymer having a glass transition temperature T_g lower than 50 °C.
2. An ink jet recording element according to claim 1 wherein said pigment is a porous inorganic pigment.
3. An ink jet recording element according to claim 2 wherein said porous inorganic pigment is a silica.
4. An ink jet recording element according to claim 1 wherein said silica is an amorphous silica having an average particle size between 1 μm and 15 μm .
5. An ink jet recording element according to claim 1 wherein said silanol modified polyvinyl alcohol has a silanol modification degree between 0.1 % and 10 % and a viscosity of a 4% aqueous solution between 1 and 25 mPa.s.
6. An ink jet recording element according to claim 1 wherein said film-forming polymer having a T_g lower than 50 °C is a latex.
7. An ink jet recording element according to claim 6 wherein said latex is a copoly(styrene-butadiene) latex.
8. An ink jet recording element according to claim 6 wherein said latex is an acrylate latex.
9. An ink jet recording element according to claim 1 wherein said ink receiving layer further comprises a cationic substance.
10. An ink jet recording element according to claim 9 wherein said cationic substance is a poly(diallyldimethylammonium chloride) or a dimethylamine-epichlorohydrine copolymer.

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11. An ink jet recording element according to claim 1 wherein said element further comprises an adhesive undercoat layer containing an adhesive polymer between said support and said ink receiving layer.

5 12. An ink jet recording element according to claim 11 wherein said adhesive polymer is a copoly(styrene-butadiene) latex.

13. An ink jet recording element according to claim 11 wherein said adhesive polymer is an acrylate latex.

10 14. An ink jet recording element according to claim 13 wherein said acrylate latex is ethylacrylate-hydroxyethylmethacrylate copolymer.

15. An ink jet recording element according to claim 11 wherein said adhesive polymer is a vinylester latex.

15 16. An ink jet recording element according to claim 1 wherein said support is an opaque support.